

# SCORE Search Results Details for Application 10552515 and Search Result 20090316\_112516\_us-10-552-515-10.ra1.

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OM protein - protein search, using sw model

Run on: March 17, 2009, 05:01:40 ; Search time 2 Seconds  
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1258.128 Million cell updates/sec

Title: US-10-552-515-10  
Perfect score: 44  
Sequence: 1 KIYVSLAHV 9

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1316349 seqs, 215321474 residues

Total number of hits satisfying chosen parameters: 1316349

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /ABSS/Data/CRF/ptodata/1/iaa/5\_COMB.pep:\*  
2: /ABSS/Data/CRF/ptodata/1/iaa/6\_COMB.pep:\*  
3: /ABSS/Data/CRF/ptodata/1/iaa/7\_COMB.pep:\*  
4: /ABSS/Data/CRF/ptodata/1/iaa/H\_COMB.pep:\*  
5: /ABSS/Data/CRF/ptodata/1/iaa/PCTUS\_COMB.pep:\*  
6: /ABSS/Data/CRF/ptodata/1/iaa/RE\_COMB.pep:\*  
7: /ABSS/Data/CRF/ptodata/1/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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Result No.	Score	Query Match	Length	DB	ID	Description
1	34	77.3	389	3	US-10-369-493-10502	Sequence 10502, A
2	33	75.0	110	3	US-10-703-032-129843	Sequence 129843,
3	33	75.0	566	1	US-08-666-367B-5	Sequence 5, Appli
4	33	75.0	566	2	US-09-143-438-5	Sequence 5, Appli
5	32	72.7	292	3	US-10-703-032-107936	Sequence 107936,
6	32	72.7	527	3	US-10-369-493-7810	Sequence 7810, Ap
7	32	72.7	1414	3	US-10-667-891-2	Sequence 2, Appli
8	31	70.5	77	3	US-10-703-032-144572	Sequence 144572,
9	31	70.5	103	2	US-09-248-796A-26386	Sequence 26386, A
10	31	70.5	212	3	US-10-703-032-174397	Sequence 174397,
11	31	70.5	284	2	US-09-252-991A-29913	Sequence 29913, A
12	31	70.5	483	2	US-09-106-194-4	Sequence 4, Appli
13	31	70.5	519	2	US-09-949-016-9399	Sequence 9399, Ap
14	31	70.5	525	2	US-09-773-426A-1	Sequence 1, Appli
15	31	70.5	525	2	US-10-314-881-1	Sequence 1, Appli
16	31	70.5	525	2	US-09-495-823-1	Sequence 1, Appli
17	31	70.5	525	3	US-10-426-776-10	Sequence 10, Appl
18	31	70.5	525	3	US-10-123-292-56	Sequence 56, Appl
19	31	70.5	525	3	US-10-152-398-56	Sequence 56, Appl
20	31	70.5	525	3	US-10-123-907-56	Sequence 56, Appl
21	31	70.5	525	3	US-10-147-512-56	Sequence 56, Appl
22	31	70.5	525	3	US-10-147-485-56	Sequence 56, Appl
23	31	70.5	525	3	US-10-124-814-56	Sequence 56, Appl
24	31	70.5	525	3	US-10-124-822-56	Sequence 56, Appl
25	31	70.5	525	3	US-10-131-833A-56	Sequence 56, Appl
26	31	70.5	525	3	US-10-142-419-56	Sequence 56, Appl
27	31	70.5	525	3	US-10-152-375-56	Sequence 56, Appl
28	31	70.5	525	3	US-10-131-818A-56	Sequence 56, Appl
29	31	70.5	525	3	US-10-145-873-56	Sequence 56, Appl
30	31	70.5	525	3	US-10-152-395-56	Sequence 56, Appl
31	31	70.5	525	3	US-10-131-822A-56	Sequence 56, Appl
32	31	70.5	525	3	US-10-142-763-56	Sequence 56, Appl
33	31	70.5	525	3	US-10-128-694A-56	Sequence 56, Appl
34	31	70.5	525	3	US-10-123-213-56	Sequence 56, Appl
35	31	70.5	525	3	US-10-123-909-56	Sequence 56, Appl
36	31	70.5	525	3	US-10-131-826A-56	Sequence 56, Appl
37	31	70.5	525	3	US-10-147-513-56	Sequence 56, Appl
38	31	70.5	525	3	US-10-121-043-56	Sequence 56, Appl
39	31	70.5	525	3	US-10-139-980-56	Sequence 56, Appl
40	31	70.5	525	3	US-10-131-819A-56	Sequence 56, Appl
41	31	70.5	525	3	US-10-123-212-56	Sequence 56, Appl
42	31	70.5	525	3	US-10-131-813A-56	Sequence 56, Appl
43	31	70.5	525	3	US-10-140-021-56	Sequence 56, Appl
44	31	70.5	525	3	US-10-137-869A-56	Sequence 56, Appl
45	31	70.5	525	3	US-10-140-923-56	Sequence 56, Appl

## ALIGNMENTS

## RESULT 1

US-10-369-493-10502

; Sequence 10502, Application US/10369493

; Patent No. 7314974  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 10502  
; LENGTH: 389  
; TYPE: PRT  
; ORGANISM: *Sphingomonas aromaticivorans*  
US-10-369-493-10502

Query Match 77.3%; Score 34; DB 3; Length 389;  
Best Local Similarity 66.7%; Pred. No. 93;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIIYVSLAHV 9  
||: ||||:  
Db 159 KIWTS LAHI 167

RESULT 2  
US-10-703-032-129843  
; Sequence 129843, Application US/10703032  
; Patent No. 7214786  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Andersen, Scott E.  
; APPLICANT: Byrum, Joseph R.  
; APPLICANT: Conner, Timothy W.  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Masucci, James D.  
; APPLICANT: Zhou, Yihua  
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53374)B  
; CURRENT APPLICATION NUMBER: US/10/703,032  
; CURRENT FILING DATE: 2003-11-06  
; PRIOR APPLICATION NUMBER: 10/020,338  
; PRIOR FILING DATE: 2001-12-12  
; NUMBER OF SEQ ID NOS: 211164  
; SEQ ID NO 129843  
; LENGTH: 110  
; TYPE: PRT  
; ORGANISM: *Triticum aestivum*  
; FEATURE:

; NAME/KEY: unsure  
; LOCATION: (1)..(110)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_TA\_24261.pep  
US-10-703-032-129843

Query Match 75.0%; Score 33; DB 3; Length 110;  
Best Local Similarity 66.7%; Pred. No. 38;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KIYVSLAHV 9  
| |:| |||  
Db 6 KXYISAAHV 14

RESULT 3

US-08-666-367B-5

; Sequence 5, Application US/08666367B  
; Patent No. 5854042  
; GENERAL INFORMATION:  
; APPLICANT: Shuichi TSUJI et al.  
; TITLE OF INVENTION: NOVEL SUGAR-CHAIN SYNTHETASE AND PROCESS FOR  
; TITLE OF INVENTION: PRODUCING THE SAME  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wenderoth, Lind & Ponack  
; STREET: 805 Fifteenth Street, N.W., #700  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/666,367B  
; FILING DATE: August 19, 1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warren M. Cheek, Jr.  
; REGISTRATION NUMBER: 33,367  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-8850  
; TELEFAX:  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 566 amino acids  
; TYPE: amino acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-666-367B-5
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Query Match          75.0%; Score 33; DB 1; Length 566;
Best Local Similarity 66.7%; Pred. No. 2.3e+02;
Matches      6; Conservative      2; Mismatches      1; Indels      0; Gaps      0;
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Qy      1 KIYVSLAHV 9
        ||| |:|:
Db      46 KIYQSIAHM 54
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RESULT 4

US-09-143-438-5

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; Sequence 5, Application US/09143438
; Patent No. 6218161
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; GENERAL INFORMATION:

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; APPLICANT: Shuichi TSUJI et al.
; TITLE OF INVENTION: NOVEL SUGAR-CHAIN SYNTHETASE AND PROCESS FOR
; TITLE OF INVENTION: PRODUCING THE SAME
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
; STREET: 2033 K Street, N.W., #800
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006
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; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
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; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/143,438
; FILING DATE: August 28, 1998
; CLASSIFICATION:
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; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: 08/666,367
; FILING DATE: August 19, 1996
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; ATTORNEY/AGENT INFORMATION:

```
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
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; TELECOMMUNICATION INFORMATION:

```
; TELEPHONE: 202-721-8200
; TELEFAX: 202-721-8250
; TELEX:
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; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

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; LENGTH: 566 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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US-09-143-438-5

Query Match 75.0%; Score 33; DB 2; Length 566;  
 Best Local Similarity 66.7%; Pred. No. 2.3e+02;  
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIYVSLAHV 9  
 ||| |:|:  
 Db 46 KIYQSIAHM 54

RESULT 5

US-10-703-032-107936

; Sequence 107936, Application US/10703032  
 ; Patent No. 7214786  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Andersen, Scott E.  
 ; APPLICANT: Byrum, Joseph R.  
 ; APPLICANT: Conner, Timothy W.  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Masucci, James D.  
 ; APPLICANT: Zhou, Yihua  
 ; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
 ; TITLE OF INVENTION: Plants  
 ; FILE REFERENCE: 38-21(53374)B  
 ; CURRENT APPLICATION NUMBER: US/10/703,032  
 ; CURRENT FILING DATE: 2003-11-06  
 ; PRIOR APPLICATION NUMBER: 10/020,338  
 ; PRIOR FILING DATE: 2001-12-12  
 ; NUMBER OF SEQ ID NOS: 211164  
 ; SEQ ID NO 107936  
 ; LENGTH: 292  
 ; TYPE: PRT  
 ; ORGANISM: Triticum aestivum  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_TA\_2354.pep

US-10-703-032-107936

Query Match 72.7%; Score 32; DB 3; Length 292;  
 Best Local Similarity 75.0%; Pred. No. 1.8e+02;  
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIYVSLAH 8  
 | ||:|  
 Db 246 KAYVTLAH 253

RESULT 6

US-10-369-493-7810

; Sequence 7810, Application US/10369493  
 ; Patent No. 7314974  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.

; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 7810  
; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Rhodobacter sphaeroides  
US-10-369-493-7810

Query Match 72.7%; Score 32; DB 3; Length 527;  
Best Local Similarity 50.0%; Pred. No. 3.4e+02;  
Matches 4; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 2 IYVSLAHV 9  
:|:|:|:  
Db 304 VYISMAHL 311

RESULT 7  
US-10-667-891-2  
; Sequence 2, Application US/10667891  
; Patent No. 7067259  
; GENERAL INFORMATION:  
; APPLICANT: ROTH, CHARLES W.  
; APPLICANT: BREY, PAUL T.  
; APPLICANT: HOLM, INGE  
; APPLICANT: GRAILLES, MARINE  
; APPLICANT: RZHETSKY, ANDREY  
; TITLE OF INVENTION: MULTIDRUG RESISTANCE PROTEINS IN DROSOPHILA AND  
; TITLE OF INVENTION: ANOPHELES  
; FILE REFERENCE: 03495.0294-00000  
; CURRENT APPLICATION NUMBER: US/10/667,891  
; CURRENT FILING DATE: 2003-09-23  
; PRIOR APPLICATION NUMBER: 60/413,469  
; PRIOR FILING DATE: 2002-09-26  
; NUMBER OF SEQ ID NOS: 76  
; SOFTWARE: PatentIn Ver. 3.2  
; SEQ ID NO 2  
; LENGTH: 1414  
; TYPE: PRT  
; ORGANISM: Anopheles gambiae  
US-10-667-891-2

Query Match 72.7%; Score 32; DB 3; Length 1414;  
Best Local Similarity 71.4%; Pred. No. 1e+03;  
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 3 YVSLAHV 9

Db 1248 YISIAHV 1254

RESULT 8

US-10-703-032-144572  
; Sequence 144572, Application US/10703032  
; Patent No. 7214786  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Andersen, Scott E.  
; APPLICANT: Byrum, Joseph R.  
; APPLICANT: Conner, Timothy W.  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Masucci, James D.  
; APPLICANT: Zhou, Yihua  
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53374)B  
; CURRENT APPLICATION NUMBER: US/10/703,032  
; CURRENT FILING DATE: 2003-11-06  
; PRIOR APPLICATION NUMBER: 10/020,338  
; PRIOR FILING DATE: 2001-12-12  
; NUMBER OF SEQ ID NOS: 211164  
; SEQ ID NO 144572  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Triticum aestivum  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_TA\_38990.pep  
US-10-703-032-144572

Query Match 70.5%; Score 31; DB 3; Length 77;  
Best Local Similarity 75.0%; Pred. No. 68;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 IYVSLAHV 9  
Db 15 IYVSHAHI 22

RESULT 9

US-09-248-796A-26386  
; Sequence 26386, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstock et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS  
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13



; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 26386  
; LENGTH: 103  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-09-248-796A-26386

Query Match 70.5%; Score 31; DB 2; Length 103;  
Best Local Similarity 55.6%; Pred. No. 94;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KIYVSLAHV 9  
|||:| |:   
Db 48 KIYISSIHI 56

RESULT 10  
US-10-703-032-174397  
; Sequence 174397, Application US/10703032  
; Patent No. 7214786  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Andersen, Scott E.  
; APPLICANT: Byrum, Joseph R.  
; APPLICANT: Conner, Timothy W.  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Masucci, James D.  
; APPLICANT: Zhou, Yihua  
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53374)B  
; CURRENT APPLICATION NUMBER: US/10/703,032  
; CURRENT FILING DATE: 2003-11-06  
; PRIOR APPLICATION NUMBER: 10/020,338  
; PRIOR FILING DATE: 2001-12-12  
; NUMBER OF SEQ ID NOS: 211164  
; SEQ ID NO 174397  
; LENGTH: 212  
; TYPE: PRT  
; ORGANISM: Triticum aestivum  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_TA\_68815.pep  
US-10-703-032-174397

Query Match 70.5%; Score 31; DB 3; Length 212;  
Best Local Similarity 66.7%; Pred. No. 2.1e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KIYVSLAHV 9  
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Db 69 KILVSLGHI 77

RESULT 11  
US-09-252-991A-29913

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; Sequence 29913, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29913
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29913

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Query Match          70.5%;  Score 31;  DB 2;  Length 284;
Best Local Similarity 66.7%;  Pred. No. 2.8e+02;
Matches      6;  Conservative      2;  Mismatches      1;  Indels      0;  Gaps      0;

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Qy      1 KIYVSLAHV 9
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Db      236 RIYVNEAHV 244

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RESULT 12
US-09-106-194-4
; Sequence 4, Application US/09106194
; Patent No. 6262234
; GENERAL INFORMATION:
; APPLICANT: Holloway, James
; APPLICANT: Jelinek, Laura
; APPLICANT: Durnam, Diane
; APPLICANT: Blumberg, Hal
; TITLE OF INVENTION: NOVEL NUCLEAR RECEPTOR POLYPEPTIDE
; TITLE OF INVENTION: ZPPAR4
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/106,194
; FILING DATE:

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; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Leith, Debra K  
; REGISTRATION NUMBER: 32,619  
; REFERENCE/DOCKET NUMBER: 96-11  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 206-442-6674  
; TELEFAX: 206-442-6678  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 483 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-106-194-4

Query Match 70.5%; Score 31; DB 2; Length 483;  
Best Local Similarity 66.7%; Pred. No. 5e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KIIYVSLAHV 9  
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Db 411 KIIYFALQHV 419

RESULT 13  
US-09-949-016-9399  
; Sequence 9399, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 9399  
; LENGTH: 519  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-9399

Query Match 70.5%; Score 31; DB 2; Length 519;  
 Best Local Similarity 66.7%; Pred. No. 5.5e+02;  
 Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KIYVSLAHV 9  
 ||| :| ||  
 Db 447 KIYFALQHV 455

RESULT 14

US-09-773-426A-1

; Sequence 1, Application US/09773426A  
 ; Patent No. 6534302  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Glucksman, Maria Alexandra  
 ; APPLICANT: Williamson, Mark  
 ; APPLICANT: Tsia, Fong-Ying  
 ; APPLICANT: Rudolph-Owen, Laura A.  
 ; TITLE OF INVENTION: 22438, 23553, 25278, and 26212 No. 6534302e1  
 ; TITLE OF INVENTION: Human Sulfatases (A CIP Application)  
 ; FILE REFERENCE: 35800/208398(5800-79  
 ; CURRENT APPLICATION NUMBER: US/09/773,426A  
 ; CURRENT FILING DATE: 2001-01-31  
 ; PRIOR APPLICATION NUMBER: US 09/495,823  
 ; PRIOR FILING DATE: 2000-01-31  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 525  
 ; TYPE: PRT  
 ; ORGANISM: homo sapiens  
 US-09-773-426A-1

Query Match 70.5%; Score 31; DB 2; Length 525;  
 Best Local Similarity 62.5%; Pred. No. 5.5e+02;  
 Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 2 IYVSLAHV 9  
 :||:|:|:  
 Db 243 LYVALAHM 250

RESULT 15

US-10-314-881-1

; Sequence 1, Application US/10314881  
 ; Patent No. 6767727  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Glucksman, Maria Alexandra  
 ; APPLICANT: Williamson, Mark  
 ; APPLICANT: Tsia, Fong-Ying  
 ; APPLICANT: Rudolph-Owen, Laura A.  
 ; TITLE OF INVENTION: 22438, 23553, 25278, and 26212 No. 6767727e1  
 ; TITLE OF INVENTION: Human Sulfatases (A CIP Application)  
 ; FILE REFERENCE: 35800/208398(5800-79  
 ; CURRENT APPLICATION NUMBER: US/10/314,881  
 ; CURRENT FILING DATE: 2002-12-09

; PRIOR APPLICATION NUMBER: US/09/773,426  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: US 09/495,823  
; PRIOR FILING DATE: 2000-01-31  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 525  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-314-881-1

Query Match 70.5%; Score 31; DB 2; Length 525;  
Best Local Similarity 62.5%; Pred. No. 5.5e+02;  
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 2 IYVSLAHV 9  
 :||:|  
Db 243 LYVALAHM 250

Search completed: March 17, 2009, 05:04:35  
Job time : 1.76252 secs

SCORE 3.0